

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 6/01/2012

Control	0994-01-030
Project	STP 2012(533)
Highway	SH 188
County	SAN PATRICIO

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: STP 2012(533)

CONTROL: 0994-01-030

COUNTY: SAN PATRICIO

LETTING: 06/06/2012

REFERENCE NO: 0601

PROPOSAL ADDENDUMS

_ PROPOSAL COVER

X BID INSERTS (SH. NO.: 2-13,3.13,AND 6-13)

X GENERAL NOTES (SH. NO.: SHEETS A THRU R (PLAN SHEETS 8,8A-8H))

_ SPEC LIST (SH. NO.:)

_ SPECIAL PROVISIONS:

ADDED:

DELETED:

_ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

X OTHER: PLAN SHEETS 8,8A-8H,9,9A-9B,22,23,130,151 AND 273

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

BID INSERTS

SHEET 2-13 - CHANGED QUANTITY FOR ITEM 420 2004

SHEET 3-13 - CHANGED QUANTITY FOR ITEMS 420 2225 AND 423 2007

DELETED ITEM 420 2013

SHEET 6-13 - ADDED ITEM 496 2009

GENERAL NOTES

SHEET A (PLAN SHEET 8)- ADDED NOTE TO GENERAL NOTES SECTION CONCERNING
THE AERONAUTICAL STUDY

SHEETS B THRU H (PLAN SHEETS 8A- 8C)- SHIFTED

SHEET I (PLAN SHEET 8D) - ITEM 432 ADDED NOTE INDICATED CONCERNING
EXPANSION JOINTS

SHEET J (PLAN SHEET 8D)- SHIFTED

SHEET K (PLAN SHEET 8E) - ITEM 496 ADDED NOTE INDICATED CONCERNING REMOVAL
OF ITEMS.

SHEET L (PLAN SHEET 8E) - SHIFTED

SHEET M (PLAN SHEET 8F) - ITEM 508-ADDED NOTES

SHEETS N THRU R (PLAN SHEETS 8F THRU 8H) - SHIFTED

PLAN SHEETS

DESCRIPTION OF ABOVE CHANGES

(CONTINUED)

(INCLUDING PLANS SHEET CHANGES)

SHEETS 8,8A-8H- SEE GENERAL NOTES SECTION ABOVE
SHEETS 9 AND 9A - SEE BID INSERTS SECTION ABOVE
SHEET 9B - CHANGED DESCRIPTION FOR FORCE ACCOUNT WHERE INDICATED
SHEET 22 - CHANGED QUANTITY FOR ITEM 420 2004
SHEET 23 - DELETED ITEM 420 2013 FROM SUMMARY
SHEET 130 - REVISED SECTION "B-B"
SHEET 151 - REVISED QUANTITIES IN TABLE
SHEET 273 - REVISED NOTE IN SECTION II

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	100	2002	002	PREPARING ROW DOLLARS and CENTS	STA	228.000	1
	104	2009		REMOVING CONC (RIPRAP) DOLLARS and CENTS	SY	566.200	2
	106	2001		OBLITERATING ABANDONED ROAD DOLLARS and CENTS	STA	3.500	3
	110	2001		EXCAVATION (ROADWAY) DOLLARS and CENTS	CY	60,440.000	4
	110	2002		EXCAVATION (CHANNEL) DOLLARS and CENTS	CY	80,129.000	5
	132	2006		EMBANKMENT (FINAL)(DENS CONT)(TY C) DOLLARS and CENTS	CY	73,026.000	6
	164	2024	002	CELL FBR MLCH SEED(PERM)(RURAL)(CLAY) DOLLARS and CENTS	AC	42.430	7
	168	2001		VEGETATIVE WATERING DOLLARS and CENTS	MG	6,670.000	8
	247	2056	033	FL BS (CMP IN PLC)(TY D GR 4)(FNAL POS) DOLLARS and CENTS	CY	27,368.000	9
	260	2002	003	LIME (HYDRATED LIME (SLURRY)) DOLLARS and CENTS	TON	2,187.440	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	260	2028	003	LIME TRT (EXST MATL)(8") DOLLARS and CENTS	SY	121,544.000	11
	310	2001		PRIME COAT (MC-30) DOLLARS and CENTS	GAL	22,960.000	12
	316	2402	016	ASPH (AC-5, AC-10, CRS-2, OR HFRS-2) DOLLARS and CENTS	GAL	41,280.000	13
	316	2594	016	AGGR(TY-PB GR-3 OR TY-PB GR-3S)SAC-B DOLLARS and CENTS	CY	1,208.000	14
	354	2021		PLANE ASPH CONC PAV(0" TO 2") DOLLARS and CENTS	SY	7,022.000	15
	400	2005		CEM STABIL BKFL DOLLARS and CENTS	CY	328.000	16
	402	2001		TRENCH EXCAVATION PROTECTION DOLLARS and CENTS	LF	66.000	17
	409	2002		PRESTR CONC PIL (18 IN SQ) DOLLARS and CENTS	LF	1,316.000	18
	416	2029		DRILL SHAFT (RDWY ILL POLE) (30 IN) DOLLARS and CENTS	LF	24.000	19
	420	2003	002	CL C CONC (ABUT) DOLLARS and CENTS	CY	90.400	20
	420	2004	002	CL C CONC (BENT) DOLLARS and CENTS	CY	6.400	21

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	420	2029	002	CL S CONC (SLAB) DOLLARS CENTS and	CY	110.000	22
	420	2031	002	CL S CONC (SHEAR KEY) DOLLARS CENTS and	CY	2.600	23
	420	2033	002	CL S CONC (APPR SLAB) DOLLARS CENTS and	CY	90.700	24
	420	2225	002	CL C CONC (SLAB) DOLLARS CENTS and	CY	38.800	25
	422	2001		REINF CONC SLAB DOLLARS CENTS and	SF	4,410.000	26
	423	2007		RETAINING WALL (SPREAD FOOTING) DOLLARS CENTS and	SF	2,385.000	27
	425	2007	001	PRESTR CONC BOX BEAM (5B20) DOLLARS CENTS and	LF	268.000	28
	425	2065	001	PRESTR CONC GIRDER (TX34) DOLLARS CENTS and	LF	584.000	29
	428	2002	001	CONC SURF TREAT (CLASS II) DOLLARS CENTS and	SY	1,175.000	30
	430	2009		CL C CONC FOR EXT STRU(CULV)(6'X 3') DOLLARS CENTS and	LF	16.000	31
	432	2002		RIPRAP (CONC)(5 IN) DOLLARS CENTS and	CY	5,258.600	32

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	432	2021		RIPRAP (STONE PROTECTION)(18 IN) DOLLARS and CENTS	CY	465.000	33
	432	2028		BEDDING MATERIAL (6 IN) DOLLARS and CENTS	CY	160.000	34
	432	2035		RIPRAP (CONC)(6 IN) DOLLARS and CENTS	CY	28.000	35
	432	2039		RIPRAP (MOW STRIP)(4 IN) DOLLARS and CENTS	CY	72.200	36
	432	2072		RIPRAP (CONC)(CL B)(RR8&RR9) DOLLARS and CENTS	CY	54.000	37
	432	2119		RIPRAP(CONC)(CL B)(5 IN)(SHLDR DRIAN) DOLLARS and CENTS	CY	17.700	38
	438	2004		CLEAN AND SEAL JOINTS DOLLARS and CENTS	LF	96.000	39
	450	2161	001	RAIL (TY T223) DOLLARS and CENTS	LF	668.160	40
	452	2006		REMOV RAIL (TY T1) DOLLARS and CENTS	LF	296.000	41
	454	2005		ARMOR JOINT (WITH SEAL) DOLLARS and CENTS	LF	106.000	42
	462	2005	014	CONC BOX CULV (4 FT X 4 FT) DOLLARS and CENTS	LF	248.000	43

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	462	2008	014	CONC BOX CULV (5 FT X 4 FT) DOLLARS and CENTS	LF	116.000	44
	462	2009	014	CONC BOX CULV (5 FT X 5 FT) DOLLARS and CENTS	LF	162.000	45
	464	2002	003	RC PIPE (CL III)(15 IN) DOLLARS and CENTS	LF	756.000	46
	464	2003	003	RC PIPE (CL III)(18 IN) DOLLARS and CENTS	LF	2,101.000	47
	464	2005	003	RC PIPE (CL III)(24 IN) DOLLARS and CENTS	LF	744.000	48
	464	2007	003	RC PIPE (CL III)(30 IN) DOLLARS and CENTS	LF	513.000	49
	464	2009	003	RC PIPE (CL III)(36 IN) DOLLARS and CENTS	LF	90.000	50
	466	2006		WINGWALL (SW-0)(HW=4 FT) DOLLARS and CENTS	EA	2.000	51
	466	2051		WINGWALL (PW)(HW=7 FT) DOLLARS and CENTS	EA	6.000	52
	467	2032		SET (TY I)(S= 4 FT)(HW= 5 FT)(3:1)(C) DOLLARS and CENTS	EA	2.000	53
	467	2040		SET (TY I)(S= 5 FT)(HW= 5 FT)(3:1)(C) DOLLARS and CENTS	EA	2.000	54

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	ITEM NO	DESC CODE	S.P. NO.				
	467	2109		SET (TY I)(S= 4 FT)(HW= 5 FT)(4:1)(C) DOLLARS and CENTS	EA	2.000	55
	467	2285		SET (TY II)(15 IN)(RCP)(6:1)(P) DOLLARS and CENTS	EA	46.000	56
	467	2286		SET (TY II)(18 IN)(RCP)(6:1)(P) DOLLARS and CENTS	EA	124.000	57
	467	2288		SET (TY II)(24 IN)(RCP)(6:1)(P) DOLLARS and CENTS	EA	42.000	58
	467	2290		SET (TY II)(30 IN)(RCP)(6:1)(P) DOLLARS and CENTS	EA	22.000	59
	467	2292		SET (TY II)(36 IN)(RCP)(6:1)(P) DOLLARS and CENTS	EA	4.000	60
	496	2009		REMOV STR (BRIDGE 0-99 FT LENGTH) DOLLARS and CENTS	EA	1.000	61
	496	2051		REMOV STR (DRIVEWAY CULVERT) DOLLARS and CENTS	EA	74.000	62
	500	2001	005	MOBILIZATION DOLLARS and CENTS	LS	1.000	63
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	21.000	64

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	506	2017	011	CONSTRUCTION EXITS (INSTALL) (TY 2) DOLLARS and CENTS	SY	312.000	65
	506	2019	011	CONSTRUCTION EXITS (REMOVE) DOLLARS and CENTS	SY	312.000	66
	506	2022	011	EARTHWORK (ERSN & SEDM CONT, IN VEH) DOLLARS and CENTS	CY	63.200	67
	506	2034	011	TEMPORARY SEDIMENT CONTROL FENCE DOLLARS and CENTS	LF	1,000.000	68
	508	2002		CONSTRUCTING DETOURS DOLLARS and CENTS	SY	23,112.000	69
	512	2093	002	PORT CBR (DES SOURCE) DOLLARS and CENTS	LF	780.000	70
	512	2094	002	PORT CBR (MOVE) DOLLARS and CENTS	LF	750.000	71
	512	2095	002	PORT CBR (STOCKPILE) DOLLARS and CENTS	LF	780.000	72
	529	2004		CONC CURB & GUTTER (TY II) DOLLARS and CENTS	LF	3,831.100	73
	530	2005		INTERSECTIONS (ACP) DOLLARS and CENTS	SY	4,722.000	74
	530	2012		DRIVEWAYS (SURF TREAT) DOLLARS and CENTS	SY	7,200.000	75

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	540	2001	023	MTL W-BEAM GD FEN (TIM POST) DOLLARS and CENTS	LF	1,010.000	76
	540	2011	023	MTL BEAM GD FEN TRANS (THRIE-BEAM) DOLLARS and CENTS	EA	4.000	77
	540	2012	023	MTL BEAM GD FEN TRANS (TL2) DOLLARS and CENTS	EA	4.000	78
	540	2015	023	MTL W-BEAM GD FEN(TIM POST)RADIUS RAIL DOLLARS and CENTS	LF	92.700	79
	542	2001		REMOVING METAL BEAM GUARD FENCE DOLLARS and CENTS	LF	75.000	80
	542	2002		REMOVING TERMINAL ANCHOR SECTION DOLLARS and CENTS	EA	4.000	81
	544	2001		GUARDRAIL END TREATMENT (INSTALL) DOLLARS and CENTS	EA	10.000	82
	544	2003		GUARDRAIL END TREATMENT (REMOVE) DOLLARS and CENTS	EA	4.000	83
	560	2004	001	MAILBOX INSTALL-S (WC-POST) TY 3 FND DOLLARS and CENTS	EA	26.000	84
	560	2005	001	MAILBOX INSTALL-D (WC-POST) TY 3 FND DOLLARS and CENTS	EA	3.000	85

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	ITEM NO	DESC CODE	S.P. NO.				
	610	2025	010	INS RD IL AM (TY SA) 40T-8 (.25 KW)S DOLLARS and CENTS	EA	4.000	86
	610	2060	010	INS RD IL AM (U/P) (TY 1) (.15KW)S DOLLARS and CENTS	EA	8.000	87
	610	2069	010	REMOVE RD IL ASM (U/P) DOLLARS and CENTS	EA	4.000	88
	618	2018		CONDT (PVC) (SCHD 40) (2") DOLLARS and CENTS	LF	1,056.000	89
	618	2046		CONDT (RM) (1") DOLLARS and CENTS	LF	122.000	90
	618	2050		CONDT (RM) (1 1/2") DOLLARS and CENTS	LF	92.000	91
	620	2011	001	ELEC CONDR (NO. 8) BARE DOLLARS and CENTS	LF	1,212.000	92
	620	2012	001	ELEC CONDR (NO. 8) INSULATED DOLLARS and CENTS	LF	3,842.000	93
	620	2015	001	ELEC CONDR (NO.12) BARE DOLLARS and CENTS	LF	138.000	94
	620	2016	001	ELEC CONDR (NO.12) INSULATED DOLLARS and CENTS	LF	276.000	95
	624	2008	014	GROUND BOX TY A (122311) W/APRON DOLLARS and CENTS	EA	8.000	96

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	ITEM NO	DESC CODE	S.P. NO.				
	628	2014	003	ELC SRV TY A 240/480 060 (NS)SS(E)GC(O) DOLLARS and CENTS	EA	1.000	97
	628	2158	003	REMOVE ELECTRICAL SERVICES DOLLARS and CENTS	EA	1.000	98
	644	2022		IN SM RD SN SUP&AM TYS80(1)SA(P) DOLLARS and CENTS	EA	14.000	99
	644	2025		IN SM RD SN SUP&AM TYS80(1)SA(T) DOLLARS and CENTS	EA	28.000	100
	644	2027		IN SM RD SN SUP&AM TYS80(1)SA(U) DOLLARS and CENTS	EA	3.000	101
	644	2031		IN SM RD SN SUP&AM TYS80(1)SA(U-WC) DOLLARS and CENTS	EA	4.000	102
	644	2060		REMOVE SM RD SN SUP & AM DOLLARS and CENTS	EA	55.000	103
	658	2261		INSTL DEL ASSM (D-SW)SZ (TYC)GF1(BI) DOLLARS and CENTS	EA	52.000	104
	658	2315		INSTL OM ASSM (OM-2Y)(WC) GND DOLLARS and CENTS	EA	2.000	105
	658	2382		INSTL OM ASSM (OM-3L)(WC) GND DOLLARS and CENTS	EA	6.000	106
	658	2383		INSTL OM ASSM (OM-3R)(WC) GND DOLLARS and CENTS	EA	6.000	107

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	662	2004		WK ZN PAV MRK NON-REMOV (W) 4" (SLD) DOLLARS and CENTS	LF	91,741.000	108
	662	2030		WK ZN PAV MRK NON-REMOV (Y) 4" (BRK) DOLLARS and CENTS	LF	10,300.000	109
	662	2032		WK ZN PAV MRK NON-REMOV (Y) 4" (SLD) DOLLARS and CENTS	LF	38,353.000	110
	662	2054		WK ZN PAV MRK REMOV (REFL) TY II-A-A DOLLARS and CENTS	EA	1,153.000	111
	662	2079		WK ZN PAV MRK REMOV (W) 24" (SLD) DOLLARS and CENTS	LF	80.000	112
	662	2113		WK ZN PAV MRK SHT TERM (TAB) TY W DOLLARS and CENTS	EA	234.000	113
	662	2115		WK ZN PAV MRK SHT TERM (TAB) TY Y-2 DOLLARS and CENTS	EA	2,084.000	114
	666	2048		REFL PAV MRK TY I (W) 24"(SLD)(100MIL) DOLLARS and CENTS	LF	358.000	115
	672	2012	034	REFL PAV MRKR TY I-C DOLLARS and CENTS	EA	40.000	116
	672	2015	034	REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	289.000	117
	677	2001		ELIM EXT PAV MRK & MRKS (4") DOLLARS and CENTS	LF	2,310.000	118

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	3224	2028		D-GR HMA(QCQA) TY-C PG70-22 DOLLARS and CENTS	TON	12,854.380	119
	5049	2003		BIODGRD EROSION CONTROL LOGS (12" DIA) DOLLARS and CENTS	LF	1,053.000	120
	5261	2001		GEOGRID REINFORCEMENT (TY I) DOLLARS and CENTS	SY	121,544.000	121
	6834	2001		PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	DAY	120.000	122
	8251	2003	005	RE PM W/RET REQ TY I(W)4"(BRK)(100MIL) DOLLARS and CENTS	LF	800.000	123
	8251	2006	005	RE PM W/RET REQ TY I(W)4"(SLD)(100MIL) DOLLARS and CENTS	LF	43,410.000	124
	8251	2015	005	RE PM W/RET REQ TY I(Y)4"(BRK)(100MIL) DOLLARS and CENTS	LF	5,640.000	125
	8251	2018	005	RE PM W/RET REQ TY I(Y)4"(SLD)(100MIL) DOLLARS and CENTS	LF	22,973.000	126
	8251	2025	005	RE PM W/RET REQ TY II (W) 4" (BRK) DOLLARS and CENTS	LF	800.000	127
	8251	2026	005	RE PM W/RET REQ TY II (W) 4" (SLD) DOLLARS and CENTS	LF	44,146.000	128

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	8251	2029	005	RE PM W/RET REQ TY II (Y) 4" (BRK) DOLLARS and CENTS	LF	5,030.000	129
	8251	2030	005	RE PM W/RET REQ TY II (Y) 4" (SLD) DOLLARS and CENTS	LF	11,488.000	130

Project Number:

Sheet

County: San Patricio

Control: 0994-01-030

Highway: SH 188

GENERAL NOTES:

Find, for your information and convenience, tools such as forms, software, materials, and various other information provided by the Department at <http://www.dot.state.tx.us/business/>. Please note that these tools are updated periodically and your attention is directed to the latest edition.

In the event of a called evacuation, emergencies, impending adverse weather or as directed, do not perform any work without written authorization. The District reserves the right to suspend all work in support of evacuations or emergencies occurring from other parts of the state. Any work performed, other than work directed by the Department, is unauthorized work in accordance with Item 5.

Sweep, clean and remove any construction waste, surplus materials or debris from the roadway and right of way at the end of each day unless otherwise approved. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Asphalt application season will be established in accordance with Item 316.4.D, "Adverse Weather Conditions", or as directed by the Engineer.

Cut existing pavement using a saw or other approved method to ensure a neat transverse and/or longitudinal line to assure a smooth tie-in with new pavement. Cut to a minimum depth of the final lift thickness. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Promptly pick up and properly dispose of paper and other materials used for pavement joints.

Stencil the National Bridge Inventory (NBI) number on each bridge and bridge class culvert. Use 3" letters or numbers. Use stain and color as approved. Paint will not be permitted. Locate the NBI number on the outside beam immediately adjacent to the abutment on the downstream end, on the outside headwall upper right-hand corner, or as directed. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

All pavement markings shall be in accordance with the latest edition of Texas MUTCD.

As a condition of the Aeronautical Study, all crane and piling driving equipment in the vicinity of Alfred C. "Bubba" Thomas Airport will be marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, paint/red lights – Chapters 3 (Marked), 4, 5 (Red), and 12.

ITEM 2

It is recommended that prospective bidders examine the specified work locations with the Engineer to view the nature of the work, the need for close coordination with the various utilities, traffic control considerations, and other factors influencing the prosecution of the work.

ITEM 5

Field verify all dimensions and notify Engineer prior to initiating any work.

Verify the locations of utilities, underground or overhead, shown within the limits of the right-of-way. Adhere to OSHA Standards when working within the vicinity of overhead power lines. Coordinate with the utility companies and notify the Engineer of any possible conflicts. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Notify the Engineer immediately of utility conflicts in accordance with Item 5.5.B. Refer to Item 4.3 for consideration of differing site conditions.

Prospective bidders may borrow reproducible earthwork cross-sections from the Area Engineer's office for making copies with a minimum twenty-four (24) hour notice.

The responsibility for the construction surveying on this contract will be in accordance with Item 5.6.A, "Method A".

ITEM 6

Inspection at Precast Concrete Fabrication Plants is as follows: TxDOT's Materials and Pavements Section will inspect any precast units at commercial fabrication yards and staging areas. The Area Engineer will inspect all other precast units.

For Department-furnished material, contact the Engineer or his designated representative to request material a minimum of one workday prior to pick up. Load material with contract personnel. Materials are to be stored in a safe location outside TXDOT property or right-of-way, {unless otherwise approved.} Use material furnished by the Department only on the project(s) intended. Return any unused material as soon as possible.

Project Number:

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County: San Patricio

Control: 0994-01-030

Highway: SH 188

ITEM 7

The work performed for Item 7.7, "Public Safety and Convenience" will not be measured or paid for directly, but will be subsidiary to pertinent Items.

When working at street, farm-to-market, state highway, and county road intersections, schedule work to minimize intersection closures. During nonworking hours, all public road intersections will be open to the traveling public.

The total disturbed area for this project is 79 acres. The disturbed area in this project, all project locations in the Contract, and Contractor project specific locations (PSLs), within 1 mile of the project limits, for the Contract will further establish the authorization requirements for storm water discharges. The Department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown on the plans. The Contractor is to obtain any required authorization from the TCEQ for any Contractor PSLs for construction support activities on or off ROW. When the total area disturbed for all projects in the Contract and PSLs within 1 mile of the project limits exceeds 5 acres, provide a copy of the Contractor NOI for PSLs on the ROW to the Engineer.

Establish uniform perennial vegetative coverage with a density of at least 70% of the native background vegetative cover to achieve final stabilization.

Comply with the Texas Aggregate Quarry and Pit Safety Act for waste areas or material source areas resulting from this project.

PSL from the United States Army Corps of Engineers (USACE) is required on this project.

ITEM 8

Prepare the progress schedule using the Critical Path Method (CPM). Submit (2) two 11" x 17" hard copies and an electronic file of the original or updated progress schedule. Submit the original progress schedule seven (7) days before the Preconstruction Conference.

Submit an updated progress schedule as directed to show proposed major changes, changes affecting compliance with the contract requirements, or changes affecting the critical path/controlling item of work.

Working days will be computed and charge in accordance with Article 8.3.A.4, "Standard Workweek".

Notify the Engineer at least 48 hours in advance of weekend or nighttime work.

ITEM 9

Submit the approved forms to request compensation for material-on-hand (MOH) at least three (3) working days prior to the end of the month. Include any requests from subcontractors, suppliers, or fabricators.

ITEM 100

Coordinate all right of way preparation activities with the project's Storm Water Pollution Prevention Plan (SWP3) and Environmental Permit Issues, and Commitments Sheet (EPIC) or as approved.

Prepare the right of way from STA 670+00 to STA 897+00. Remove and dispose of all obstructions shown and not specifically shown in the plans.

Prune trees and shrubs as directed. Use accepted pruning practices in accordance with Item 192 and as defined by the National Arborist Association. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Any tree removal work shall be performed between November 1 through the end of February to avoid the migratory bird nesting season unless otherwise directed by the Engineer. Any tree trimming or removal work between March 1 through October 31 requires that a nesting bird survey be performed by a qualified environmental specialist prior to the work being performed. If nests are present, the Contractor shall not trim or remove the tree.

ITEM 110

For earth cuts, manipulate and compact subgrade in accordance with Item 132.3.D.2, "Compaction Methods, Density Control".

ITEM 132

Use embankment material with a plasticity index (PI) ranging from 10 to 40. Blend or treat approved materials to achieve the desired PI and pulverize the material so that 100% passes the 3 inch sieve. Retest materials as borrow sources change or when the material changes significantly. Notify the Engineer of the proposed material sources and of changes to material sources. The Engineer may sample and test project materials at any time before compaction throughout the duration of the project to assure specification compliance. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Obtain approval to incorporate existing salvaged asphaltic surface and flexible base materials in the surface layer. If approved, incorporate existing materials no larger than 2 inches in the surface layer. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

The estimated quantities for embankments adjacent to culverts and bridges were calculated using the average-end-area method.

The Contractor shall remove all excess embankment material at the completion of the project. Removal of embankment material, including loading, hauling and disposal shall not be paid for directly, but shall be considered subsidiary to Item 132. All embankment material removed shall become the property of the Contractor and shall be disposed of in an approved manner.

ITEM 164

Restore and seed areas not shown in the plans disturbed by the Contractor's operations. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Notify the Engineer of the unavailability of any seed mix. Make changes to the seed mix as approved.

Use a tacking agent of 50% SS-1 and 50% water and apply the agent at a rate of 0.10 gal/sy or as directed. A biodegradable tacking agent may be used in lieu of the SS-1 tacking agent in accordance with the manufacturer's recommendations when approved. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 166

Fertilize all areas of the project to be seeded or sodded. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Furnish and apply fertilizer with analysis of 20-10-10 at a rate of 100 bulk pounds per acre.

ITEM 168

Distribute water to only those areas shown in the plans or as directed. Excessive overspray will not be permitted.

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Water all areas of the project to be seeded or sodded every two (2) days for 90 days or as directed. Apply water in a manner to ensure adequate moisture but not to erode the soil in-place. During periods of adequate moisture, mechanical watering may not be required as approved. Upon final stabilization, the Engineer may require to continue watering as specified for a period not to exceed 30 days.

The Basis of Estimate below establishes the approximate quantity of water required to complete the 90-day watering cycle:

Rate	Water (Gal/Acre/Day)	Area (Acre)	Total Gallons (Min)
0.25 inch/week	1961	1	88,245

ITEM 247

The Engineer may accept material during stockpile operations, from completed stockpiles, or windrows. The Engineer will select any of these locations or any combination thereof with the provision that at least one out of ten consecutive samples will be taken at the project site.

Conform to the following flexible base (TY D GR 4) requirements:

ITEM	DESCRIPTION	PERCENT RETAINED					WET BALL	SOIL CONSTRAINTS		
		2"	1 - 3/4"	1/2"	#4	#40	MILL MIX	LL MAX	PI MIN	PI MAX
247	FL BS (CMP IN PLC)(TY D GR 4)(FNAL POS)	0	-	20-60	40-75	60-85	*45	-	-	10
* The maximum increase in material passing the no. 40 sieve is not to exceed 20										

If the Contractor elects to use crushed concrete it shall be stabilized with 3% cement by weight. This cement will not be paid for directly but shall be considered subsidiary.

When requested, stake with blue tops, at 100-foot intervals, the lines and grade shown in the plans.

For this project Test Method Tex-117-E shall conform to the following minimum compressive strength requirements:

Lateral Pressure
15 psi

Triaxial Strength
175 psi

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ITEM 302

Provide aggregates with a minimum surface aggregate classification (SAC) of “B” unless otherwise shown. The SAC for sources on the Department’s Aggregate Quality Monitoring Program (AQMP) is listed in the Department’s Bituminous Rated Source Quality Catalogue (BRSQC). SAC requirements apply to aggregates used on all final roadway surfaces, including shoulders.

When using asphalt emulsion, use a precoat material for the aggregates as approved.

ITEM 310

Use MC-30 at a rate of 0.20 gallons per square yard or as directed.

ITEM 316

Clean aggregates showing signs of excessive dust from the stockpile or while handling during construction. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Do not place surface treatment on exposed concrete structures unless directed.

Furnish a distributor equipped with a hand hose in working condition.

Material rates shown are for estimating purposes only. Adjust actual rates based on the material used, the existing condition and type of roadway surface, and as approved. When using asphalt emulsion, a minimum 24-hour curing period is required before placing any subsequent asphalt courses.

Stockpiling of aggregates may begin after the execution of the Authorization to Begin Work or issuance of the work order.

Remove vegetation and blade pavement edges prior to surfacing operations. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Broom and clean sealed sections of roadway and all adjacent paved surfaces, including the gutter line, of any surplus aggregate before opening to traffic or as directed.

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ITEM 320

Provide the type of windrow pick-up equipment for approval prior to beginning paving operations.

ITEM 400

Compact each layer to meet the density and consolidation of the adjacent undisturbed material.

Water ponding consists of jetting operations using 1 or 2 jets as determined and approved from results of trial operations.

Use cement-stabilized backfill for culvert and storm drains located beneath the pavement structure.

ITEM 420

Set a Department-furnished brass disk on all bridge abutments and culvert headwalls as directed. The work performed will not be measured or paid directly, but will be subsidiary to pertinent Items.

Promptly apply an ordinary surface finish to all concrete surfaces once meeting curing requirements.

Mass concrete will be a plans quantity item.

Interior bent concrete will be a plans quantity item.

Place longitudinal construction joints at the lane line for bridge approach slabs. These construction joints will be subsidiary to Item 420.

ITEM 421

The Engineer will provide strength-testing equipment for acceptance testing.

The Engineer will furnish curing facilities for this project.

Furnish test molds for cylindrical concrete specimens measuring six (6") inches in diameter by twelve (12") inches in length.

No air entrainment in concrete is required.

ITEM 427

Provide a rub finish for Surface Area II unless otherwise directed.

ITEM 432

Saw cut the existing riprap to ensure a neat transverse and/or longitudinal line to assure a smooth tie-in with new riprap. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Use Cap Option C for the joint between the face of the abutment and riprap as shown on the standard sheet "Concrete Riprap (CRR)".

Reinforce concrete riprap with 4 x 4 – W2.9 x W2.9 welded wire fabric or with No. 3 reinforcing bars spaced at a maximum of 12 inch in each direction.

Expansion joints shall be provided at 50 foot centers (max.) in the concrete lined ditch at right angle to the centerline of the ditch. Expansion joint shall consist of a ¾ inch thick wood fiber asphalt-impregnated board or approved equal with No. 4 dowels x 18 inch long on 1.5 foot centers. The board shall be the full depth of the riprap, and board shall extend the full width of the concrete lined portion of the ditch including the toe ditches. The length of the dowels shall be centered on the joint. The dowels shall be plain bars and shall have one-half the bar dipped in asphalt and wrapped with two layers of roofing felt or an expansion cap, of material approved by the engineer, which shall be placed on the greased end of the dowel. Between the expansion joints, planes of weakness (dummy joints) ½ inch x 1 inch deep shall be tooled into the lining at 10 foot centers (max.) at right angle to the centerline of the ditch.

Three inch (3") diameter weep holes shall be placed at 50 foot centers on both sides, or as directed by the engineer.

ITEM 462

Use cold-applied, plastic asphalt sewer joint compound for all joints. Provide sandproof tape for all pipe placed in cohesionless backfill material as approved, or provide gaskets that conform to Item 464.2.I.3.

The work performed for concrete collars will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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ITEM 464

The work performed for concrete collars will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 467

Place safety end treatments with a uniform slope.

Provide 5/8" x 6" galvanized hooked bolts with 2 hex nuts at a spacing not to exceed 24 inches center to center for metal pipes with riprap sloped headwalls. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Reinforce concrete riprap with 4 x 4 – W2.9 x W2.9 welded wire fabric or with No. 3 reinforcing bars spaced at a maximum of 12 inch in each direction.

The work performed for concrete collars will not be measured or paid for directly, but will be subsidiary to pertinent Items.

The use of precast Type II safety end treatments with integrally cast riprap aprons is allowed as approved. All safety end treatments shall include riprap to the dimensions shown on PSET-RR. This riprap shall be subsidiary to Item 467.

ITEM 496

The structure(s) to be removed have surface coatings which may contain hazardous materials. Provide for the safety and health of employees and abide by all OSHA Standards and Regulations.

Coordinate and identify the locations where the structure(s) will be cut at least 30 days prior to the demolition of the structure(s). If the surface coatings contain hazardous materials, the Department will arrange by separate Contract for the removal of a 4 inch wide strip around bearing attachments, at the anchor bolts, and as approved. Provide traffic control for the paint removal operations. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Notify the Engineer no later than 20 calendar days prior to the demolition of the structure(s) for coordination with the Texas Department of State Health Services.

Provide for approval a method of removal to prevent any materials from falling into water or traffic. The method used and work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Disassemble, deliver and neatly stack salvageable materials at Sinton Area Office located on US 181, 2 miles east of Sinton. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Removal of Items associated to the structure(s) will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 500

"Materials on Hand" payments are not considered when determining partial payments.

ITEM 502

Furnish additional barricades, signs, and traffic handling as directed. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Traffic control for daytime lane closures shall be in accordance with TCP (2-2)-12.

When advanced warning flashing arrow panels are specified, furnish one (1) standby unit in good condition at the job site for immediate use.

The Contractor's Responsible Person (CRP) or his representative(s) shall be located within one hour of traveling time to the project site. The Contractor shall notify the Engineer in writing of the name, physical address, and telephone number of this employee or these employees. The Engineer shall furnish this information to local law enforcement officials.

Maintain traffic control devices by taking corrective action as soon as possible. Complete corrective action within 48 hours of written notification regardless of the day of the week involved unless otherwise directed.

Provide a positive means of communication between flaggers unless otherwise approved.

Attach stop/slow paddle to a staff with a minimum length of 6 feet to the bottom of the sign.

The use of a pilot vehicle in conjunction with flaggers will be permitted. If used, provide positive and unrestricted communication between the driver of the pilot vehicle and the flaggers.

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The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 504

Provide one (1) Type D Structure (Asphalt Mix Control Laboratory). This laboratory shall be for TxDOT use only and shall be a separate structure from the Contractor's facilities.

Furnish and install adequate equipment, outlets, lighting, air conditioning, heating and ventilation as approved. Arrange and install outlets as directed with no less than one (1) outlet per wall. Portable toilets will not be allowed.

Provide 2 standard size office desk, 2 office chair, 1 drafting table, 1 drafting stool, 1 bookcase, and 1 filing cabinet as approved. Provide solar screens, blinds, or shades.

Provide janitorial services as needed.

Provide 1 phone line and 1 phone. Submit a copy of the monthly phone bill for review to monitor phone usage. A cell phone will not be allowed unless approved.

Provide a paper copier and facsimile.

Provide hot water or a hot water dispenser capable of generating one (1) gallon of water at 140 degrees Fahrenheit with acceptable water pressure.

Use support blocks for stability and tied down portable structures according to applicable zoning requirements or as directed.

Provide Safety Equipment as follows:

- (1) ONE EYE WASH STATION
- (2) ONE FIRE EXTINGUISHER
- (3) ONE FIRST AID KIT

Provide doors with a minimum width of 36 inches and 80 inches in height. Secure all exterior openings with bars.

Provide electrical service for the asphalt content by Ignition Method.

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ITEM 506

Designate in writing a Contractor Responsible Person (CRP) for implementing, maintaining, and reviewing environmental requirements.

ITEM 508

With the approval of the Engineer, base material used for the detour may be salvaged and incorporated into the roadway.

ITEM 512

Use a Type A or J joint when using Type 2 precast concrete traffic barriers.

Existing concrete traffic barriers stockpiles are located at the IH 37 / US 77 Interchange approximately 4.3 miles south of Odem, TX.

ITEM 529

Construct an expansion joint at a depth equal to the depth of the curb, gutter, and combined curb and gutter every 40 feet. Construct a tooled joint every 10 feet. When sidewalks are constructed next to curb or curb and gutter, place sidewalk expansion joints at the same location as the curb and gutter expansion joints.

ITEM 530

Replace existing driveways not shown on the plans when directed. The work performed will be measured or paid for by Item 530, "Driveways".

If conditions warrant, driveway locations, widths, or lengths may be adjusted as directed.

ITEM 540

Complete each location during the working day. No exposed bridge rail or guard fence ends will be permitted at the end of the working day or unattended during the working day.

Mixing of wood post types and shapes will not be permitted at the same location.

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ITEM 542

Disassemble, deliver and neatly stack salvageable materials at the Sinton Area office located on US 181, 2 miles East of Sinton. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 544

Drill an 18-inch pilot hole for post embedment.

The method of placing steel tubes in drilled holes is not permitted.

ITEM 560

Coordinate with the local United States Postal Service to mark the location of the temporary mailboxes. Permanent mailbox locations may be adjusted as directed.

ITEM 585

Use Surface Test Type B and Pay Adjustment Schedule 3 to evaluate ride quality of the travel lanes in accordance with Item 585, "Ride Quality for Pavement Surfaces."

Use latest version of approved Ride Quality Software.

For QC Testing, provide inertial profiler results the same working day after paving.

For QA Testing, provide the Engineer the opportunity to witness the testing. Provide a seat for the Engineer in the test vehicle or arrange for the Engineer to follow the test vehicle if requested.

ITEM 610

Fabricate steel roadway illumination poles in accordance with the latest version of the Roadway Illumination Standards. Poles fabricated according to the latest version of the standards require no shop drawings. Alternate designs to the latest version of the standards or the use of aluminum to fabricate poles will require the submission of shop drawings electronically.

ITEM 618

Seal all conduits terminating in ground boxes and pole foundations with a sealant made of polyurethane or equivalent that will cure in the presence of moisture. Ensure sealant is suitable

for sealing ends with electrical conductor extending past the ends of the conduit. Inject the sealant a minimum of 3 inches and a maximum of 5 inches into the conduit.

Provide rigid metal conduit (RMC) elbows for all underground conduit bends of 45 degrees or more, including bends into ground boxes. Provide a polyvinyl chloride conduit (PVC) elbow in lieu of a RMC elbow for conduit 1 inch or larger. Ensure the elbow is the same schedule rating as the conduit to which it is connected.

Bond the RMC to the grounding conductor with grounding type bushings when the RMC is exposed or extends into the ground box.

Provide a flat, high tensile strength polyester fiber pull tape in each conduit to pull conductors.

Provide polymer concrete junction boxes for concrete traffic barrier. The work will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Provide wide sweep conduit elbows.

Jacking of conduit will not be permitted.

ITEM 620

Bond grounding conductors that share the same conduit, junction box, ground box, or structure together at every accessible point.

ITEM 628

Provide a meter box for all electrical services.

ITEM 636

Disassemble, deliver and neatly stack salvageable materials at the Sinton Area office located on US 181, 2 miles East of Sinton. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 644

Use crash worthy supports as shown on the BC sheets, the CWZTCD, or as directed for signs relocated using temporary supports. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Disassemble, deliver and neatly stack salvageable materials at the Sinton Area office located on US 181, 2 miles East of Sinton. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

All sign and housing components will be galvanized.

ITEM 662

Use temporary flexible-reflective roadway marker tabs at the beginning and end of no passing zones as shown on the TCP (7-1)-98 for seal coats and WZ(STPM)-03 for hot mix overlays.

ITEM 677

Eliminate all conflicting pavement markings as work progresses or as directed.

Use Method A for asphaltic pavements. Use a PB Grade 5 aggregate at an application rate of 1 cy/130 sy and asphalt AC-5, AC-10, CRS-2 or HFRS-2 at a application rate of 0.39 Gal/sy.

ITEM 3224

Provide aggregates with a minimum surface aggregate classification (SAC) of “B” unless otherwise shown. SAC requirements apply to aggregates used on all final roadway surfaces, including shoulders.

Department-owned RAP generated through required work on the Contract is available for the Contractor’s use.

Use crushed gravel screenings with or in lieu of stone screenings.

Use a cut-off chute when placing hot-mix asphalt on narrow width locations unless approved.

The laboratory-molded density for this project will be 97% in accordance with test method TEX-207-F for the Type B, C, & D HMAC.

Construct longitudinal joints with a joint maker providing a maximum one (1) inch vertical edge (1/2 inch desirable) with an adjacent 6:1 taper. Construct the outside edge with a 6:1 taper or backfill within the same day.

Unless otherwise approved by the Engineer, a tack coat will be placed in accordance to Item 3224.2.N.2, “Tack Coat”. This work will not be paid for directly but will be subsidiary to item 3224.

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ITEM 5261

During the installation of the geogrid mats, the Contractor shall not allow any traffic to travel directly over the geogrid. A minimum flexible base thickness of six inches shall be placed over the geogrid prior to opening the mat to construction traffic.

For this project, Type I Geogrid shall be used.

When using a multilayer type Geogrid, longitudinally cut portions of a roll shall be held together by at least two rows of longitudinally stitching to insure proper layer alignment during installation and maintain integrity of cut portion as directed by Engineer.

The Contractor shall provide adequate storage for the geogrid and shall plan the installation of the geogrid so as to limit exposure to ultraviolet degradation. The manufacturer's recommendations shall control unless otherwise directed by the Engineer.

ITEM 6834

Furnish the portable changeable message signs displaying the correct message at least seven (7) days prior to beginning work or as directed.

The Contractor's Responsible Person (CRP) will maintain full control of messages at all times.

The Engineer will provide the sign message text to use at each sign.

Provide cellular phone connection

A minimum of 2 PCMS will be required. However, additional units may be necessary depending on the work in progress.

Standby time will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 8251

Establish and mark the location of existing standard pavement markings including but not limited to edge lines, transitions, passing and no passing zones, etc.

Place pavement markings no later than 14 calendar days after the placement of the surface. When inclement weather prohibits placement of the markings, the 14-day period may be extended until weather permits proper application.

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SPECIFICATION DATA

UNIT WEIGHT ESTIMATES

EXISTING SUBGRADE ----- 110 LBS/CF
ITEM 247 – FL BS (CMP IN PLC) (TY D GR 4)(FNAL POS)----- 136 LBS/CF
ITEM 3224 – (2")D-GR HMA (QCQA) TY C SAC-B PG 70-22 ----- 220 LBS/SY

COMPACTION REQUIREMENTS

ITEM 132 – EMBANKMENT (FINAL)(DENS CONT) (TY C)
PLASTICITY INDEX ----- 40 MAX
PLASTICITY INDEX----- 10 MIN
DENSITY ----- AS SHOWN ON
TABLE 2 OF ITEM 132
LIFTS----- ALL

COMPACTION REQUIREMENTS FOR BASE COURSE

ITEM 247—FL BS (CMP IN PLC)(TY D GR 4) (FNAL POS)
DENSITY ----- 100% MIN
LIFTS----- ALL

PRIME COAT

ASPHALT, TYPE -----MC-30
AVERAGE ASPHALT RATE (GAL/SY) -----0.20

SURFACE TREATMENT DATA

ONE COURSE UNDERSEAL
ASPHALT TYPE -----ASPH (AC-5, AC-10, CRS-2, HFRS-2)
ASPHALT RATE (GAL/SY) -----0.32 – 0.40
AVERAGE ASPHALT RATE (GAL/SY)----- 0.360
AGGREGATE RATE (CY/SY)-----1/95
AGGREGATE TYPE ----- PB
AGGREGATE GRADE----- 4 or 4S SAC B